

## CLAIMS

1. An enterprise evaluation device, comprising:

management-finance information acquisition means for  
5 acquiring gross operating profit and patent royalty income, in  
a first specified period, of a specified enterprise from a  
management-finance database containing management-finance  
information of enterprises;

gazette acquisition means for acquiring registration  
10 gazettes based on patent applications filed by a specified  
enterprise within a second specified period from a database;

number-of-inventions acquisition means for acquiring the  
number of patents subjected to, before a predetermined time,  
registration or number of claims of the patents as the number  
15 of inventions from said acquired registration gazettes;

number-of-extinguished-inventions acquisition means for  
acquiring the number of extinguished inventions of patents  
extinguished before the predetermined time among said acquired  
number of inventions;

20 total number-of-effective-patents calculation means for  
calculating the total number of effective patents by  
subtracting the number of extinguished inventions from said  
acquired number of inventions;

patent profitability calculation means for calculating  
25 patent profitability through dividing the sum of said acquired  
gross operating profit and patent royalty income by said total

number of effective patents; and

output means for outputting said calculated patent  
profitability to display means, printing means, recording  
medium, or another telecommunications device via a  
5 communication line.

2. An enterprise evaluation device, comprising:

management-finance information acquisition means for  
acquiring operating profit and R&D cost, in a first specified  
10 period, of a specified enterprise from a management-finance  
database containing management-finance information of  
enterprises;

gazette acquisition means for acquiring registration  
gazettes based on patent applications filed by a specified  
15 enterprise within a second specified period from a database;

number-of-inventions acquisition means for acquiring the  
number of patents subjected to, before a predetermined time,  
registration or number of claims of the patents as the number  
of inventions from said acquired registration gazettes;

20 number-of-extinguished-inventions acquisition means for  
acquiring the number of extinguished inventions of patents  
extinguished before the predetermined time among said acquired  
number of inventions;

total number-of-effective-patents calculation means for  
25 calculating the total number of effective patents by  
subtracting the number of extinguished inventions from said

acquired number of inventions;

patent profitability calculation means for calculating gross operating profit by adding the acquired operating profit and R&D cost in said first specified period, and calculating  
5 patent profitability through dividing the sum of said calculated gross operating profit and patent royalty income by said total number of effective patents; and

output means for outputting said calculated patent profitability to display means, printing means, recording  
10 medium, or another telecommunications device via a communication line.

3. An enterprise evaluation device, comprising:

management-finance information acquisition means for  
15 acquiring sales profit, R&D cost included in manufacturing costs, administrative expenses, and R&D cost included in the administrative expenses in a first specified period of a specified enterprise from a management-finance database containing management-finance information of enterprises;

20 gazette acquisition means for acquiring registration gazettes based on patent applications filed by a specified enterprise within a second specified period from a database;

number-of-inventions acquisition means for acquiring the number of patents subjected to, before a predetermined time,  
25 registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

5       total number-of-effective-patents calculation means for calculating the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

      patent profitability calculation means for calculating  
10 gross operating profit by subtracting the administrative expenses from the sum of acquired sales profit, R&D cost included in manufacturing costs, and R&D cost included in administrative expenses in said first specified period, and calculating patent profitability through dividing the sum of  
15 said calculated gross operating profit and patent royalty income by said total number of effective patents; and

      output means for outputting said calculated patent profitability to display means, printing means, recording medium, or another telecommunications device via a  
20 communication line.

4.     An enterprise evaluation device, comprising:

      management-finance information acquisition means for acquiring excess value added amount and patent royalty income  
25 in a first specified period of a specified enterprise from a management-finance database containing management-finance

information of enterprises;

gazette acquisition means for acquiring registration gazettes based on patent applications filed by a specified enterprise within a second specified period from a database;

5        number-of-inventions acquisition means for acquiring the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

10       number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

15       total number-of-effective-patents calculation means for calculating the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

20       patent profitability calculation means for calculating patent profitability through dividing the sum of said acquired excess value added amount and patent royalty income by said total number of effective patents; and

output means for outputting said calculated patent profitability to display means, printing means, recording medium, or another telecommunications device via a communication line.

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5.     An enterprise evaluation device, comprising:

management-finance information acquisition means for acquiring sales volume and ratio of value added amount to sales volume, in a first specified period, of a specified enterprise, average ratio of value added amount to sales volume and patent royalty income from a management-finance database containing management-finance information of enterprises;

gazette acquisition means for acquiring registration gazettes based on patent applications filed by a specified enterprise within a second specified period from a database;

number-of-inventions acquisition means for acquiring the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

total number-of-effective-patents calculation means for calculating the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

patent profitability calculation means for calculating excess value added amount by multiplying the sales volume to a value obtained by subtracting the average ratio of value added amount to sales volume from said acquired ratio of value added

amount to sales volume, and calculating patent profitability through dividing the sum of said calculated excess value added amount and patent royalty income by said total number of effective patents; and

5           output means for outputting said calculated patent profitability to display means, printing means, recording medium, or another telecommunications device via a communication line.

10   6.     An enterprise evaluation device, comprising:

          management-finance information acquisition means for acquiring sales volume and value added amount, in a first specified period, of a plurality of enterprises, and patent royalty income from a management-finance database containing

15   management-finance information of enterprises;

          gazette acquisition means for acquiring registration gazettes based on patent applications filed by a specified enterprise within a second specified period from a database;

          number-of-inventions acquisition means for acquiring the  
20   number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

          number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions of patents  
25   extinguished before the predetermined time among said acquired number of inventions;

total number-of-effective-patents calculation means for calculating the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

5           ratio of value added amount to sales volume calculation means for calculating ratio of value added amount to sales volume of the specified enterprise through dividing said acquired value added amount of the specified enterprise by the sales volume of the specified enterprise, and calculating  
10 average ratio of value added amount to sales volume for a plurality of enterprises;

          patent profitability calculation means for calculating excess value added amount by multiplying the sales volume to a value obtained by subtracting the average ratio of value added  
15 amount to sales volume from said ratio of value added amount to sales volume of the specified enterprise, and calculating patent profitability through dividing the sum of said calculated excess value added amount and patent royalty income  
by said total number of effective patents; and

20           output means for outputting said calculated patent profitability to display means, printing means, recording medium, or another telecommunications device via a communication line.

25    7.     An enterprise evaluation device, comprising:  
          management-finance information acquisition means for



acquiring excess gross operating profit and patent royalty income, in a first specified period, of a specified enterprise from a management-finance database containing management-finance information of enterprises;

5            gazette acquisition means for acquiring registration gazettes based on patent applications filed by a specified enterprise within a second specified period from a database;

            number-of-inventions acquisition means for acquiring the number of patents subjected to, before a predetermined time,  
10    registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

            number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions of patents extinguished before the predetermined time among said acquired  
15    number of inventions;

            total number-of-effective-patents calculation means for calculating the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

20            patent profitability calculation means for calculating patent profitability through dividing the sum of said acquired excess gross operating profit and patent royalty income by said total number of effective patents; and

            output means for outputting said calculated patent  
25    profitability to display means, printing means, recording medium, or another telecommunications device via a

communication line.

8. An enterprise evaluation device, comprising:

management-finance information acquisition means for  
5 acquiring sales volume and ratio of gross operating profit, in  
a first specified period, of a specified enterprise, average  
ratio of gross operating profit and patent royalty income from  
a management-finance database containing management-finance  
information of enterprises;

10 gazette acquisition means for acquiring registration  
gazettes based on patent applications filed by a specified  
enterprise within a second specified period from a database;

number-of-inventions acquisition means for acquiring the  
number of patents subjected to, before a predetermined time,  
15 registration or number of claims of the patents as the number  
of inventions from said acquired registration gazettes;

number-of-extinguished-inventions acquisition means for  
acquiring the number of extinguished inventions of patents  
extinguished before the predetermined time among said acquired  
20 number of inventions;

total number-of-effective-patents calculation means for  
calculating the total number of effective patents by  
subtracting the number of extinguished inventions from said  
acquired number of inventions;

25 patent profitability calculation means for calculating  
excess gross operating profit by multiplying the sales volume

to a value obtained by subtracting the average ratio of gross operating profit from said acquired ratio of gross operating profit, and calculating patent profitability through dividing the sum of said calculated excess gross operating profit and  
5 the patent royalty income by said total number of effective patents; and

output means for outputting said calculated patent profitability to display means, printing means, recording medium, or another telecommunications device via a  
10 communication line.

9. An enterprise evaluation device, comprising:

management-finance information acquisition means for acquiring sales volume and gross operating profit, in a first  
15 specified period, of a plurality of enterprises, and patent royalty income from a management-finance database containing management-finance information of enterprises;

gazette acquisition means for acquiring registration gazettes based on patent applications filed by a specified  
20 enterprise within a second specified period from a database;

number-of-inventions acquisition means for acquiring the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

25 number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions of patents

extinguished before the predetermined time among said acquired number of inventions;

total number-of-effective-patents calculation means for calculating the total number of effective patents by

5 subtracting the number of extinguished inventions from said acquired number of inventions;

ratio of gross operating profit to sales volume calculation means for calculating ratio of gross operating profit to sales volume of the specified enterprise through

10 dividing said acquired gross operating profit of the specified enterprise by the sales volume of the specified enterprise, and calculating average ratio of gross operating profit to sales volume for the plurality of enterprises;

patent profitability calculation means for calculating  
15 excess gross operating profit by multiplying the sales volume to a value obtained by subtracting average ratio of gross operating profit to sales volume from said ratio of gross operating profit to sales volume of the specified enterprise, and calculating patent profitability through dividing the sum

20 of said calculated excess gross operating profit and patent royalty income by said total number of effective patents; and

output means for outputting said calculated patent profitability to display means, printing means, recording medium, or another telecommunications device via a

25 communication line.

10. An enterprise evaluation device, comprising:

management-finance information acquisition means for acquiring excess earnings on intellectual asset, in a first specified period, of a specified enterprise from a management-finance database containing management-finance information of enterprises;

gazette acquisition means for acquiring registration gazettes based on patent applications filed by a specified enterprise within a second specified period from a database;

number-of-inventions acquisition means for acquiring the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

total number-of-effective-patents calculation means for calculating the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

patent profitability calculation means for calculating patent profitability through dividing said acquired excess earnings on intellectual asset by said total number of effective patents; and

output means for outputting said calculated patent

profitability to display means, printing means, recording medium, or another telecommunications device via a communication line.

5 11. An enterprise evaluation device, comprising:

management-finance information acquisition means for acquiring total assets and return on intellectual asset, in a first specified period, of a specified enterprise, and average return on intellectual asset from a management-finance

10 database containing management-finance information of enterprises;

gazette acquisition means for acquiring registration gazettes based on patent applications filed by a specified enterprise within a second specified period from a database;

15 number-of-inventions acquisition means for acquiring the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

number-of-extinguished-inventions acquisition means for  
20 acquiring the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

total number-of-effective-patents calculation means for calculating the total number of effective patents by  
25 subtracting the number of extinguished inventions from said acquired number of inventions;

patent profitability calculation means for calculating excess earnings on intellectual asset by multiplying the total assets to a value obtained by subtracting the average return on intellectual asset from said acquired return on intellectual asset, and calculating patent profitability through dividing said calculated excess earnings on intellectual asset by said total number of effective patents; and

output means for outputting said calculated patent profitability to display means, printing means, recording medium, or another telecommunications device via a communication line.

12. An enterprise evaluation device, comprising:

management-finance information acquisition means for acquiring gross operating profit, excess value added amount, excess gross operating profit, excess earnings on intellectual asset or patent royalty income, in a first specified period, of a specified enterprise from a management-finance database containing management-finance information of enterprises;

gazette acquisition means for acquiring registration gazettes based on patent applications filed by a specified enterprise within a second specified period from a database;

number-of-inventions acquisition means for acquiring the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number

of inventions from said acquired registration gazettes;

number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions of patents extinguished before the predetermined time among said acquired  
5 number of inventions;

total number-of-effective-patents calculation means for calculating the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

10 patent profitability calculation means for calculating index of patent profitability  $\alpha$  obtained through dividing the sum of said acquired gross operating profit and patent royalty income by said total number of effective patents, index of patent profitability  $\beta$  obtained through dividing the sum of  
15 said acquired excess value added amount and patent royalty income by said total number of effective patents, index of patent profitability  $\gamma$  obtained through dividing the sum of said acquired excess gross operating profit and patent royalty income by said total number of effective patents, or index of  
20 patent profitability  $\delta$  obtained through dividing said acquired excess earnings on intellectual asset by said total number of effective patents for a plurality of enterprises;

display data generation means for generating display data for displaying, index by index and enterprise by enterprise,  
25 the calculated patent profitability index of said plurality of enterprises; and



output means for outputting said display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

5 13. An enterprise evaluation device, comprising:

management-finance information acquisition means for acquiring gross operating profit, patent royalty income and market value added, in a first specified period, of a specified enterprise from a management-finance database

10 containing management-finance information of enterprises;

gazette acquisition means for acquiring registration gazettes based on patent applications filed by a specified enterprise within a second specified period from a database;

15 number-of-inventions acquisition means for acquiring the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

20 number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

25 total number-of-effective-patents calculation means for calculating the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

patent profitability calculation means for calculating

patent profitability through dividing the sum of said acquired gross operating profit and patent royalty income by said total number of effective patents;

display data generation means for generating display data  
5 for associating and displaying said calculated patent profitability and said acquired market value added; and

output means for outputting said display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

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14. An enterprise evaluation device, comprising:

management-finance information acquisition means for acquiring excess value added amount, patent royalty income and market value added, in a first specified period, of a

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specified enterprise from a management-finance database containing management-finance information of enterprises;

gazette acquisition means for acquiring registration gazettes based on patent applications filed by a specified enterprise within a second specified period from a database;

20

number-of-inventions acquisition means for acquiring the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

25

number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions of patents extinguished before the predetermined time among said acquired

number of inventions;

total number-of-effective-patents calculation means for calculating the total number of effective patents by subtracting the number of extinguished inventions from said

5 acquired number of inventions;

patent profitability calculation means for calculating patent profitability through dividing the sum of said acquired excess value added amount and patent royalty income by said total number of effective patents;

10 display data generation means for generating display data for associating and displaying said calculated patent profitability and said acquired market value added; and

output means for outputting said display data to display means, printing means, recording medium, or another

15 telecommunications device via a communication line.

15. An enterprise evaluation device, comprising:

management-finance information acquisition means for acquiring excess gross operating profit, patent royalty income and market value added, in a first specified period, of a specified enterprise from a management-finance database containing management-finance information of enterprises;

20 gazette acquisition means for acquiring registration gazettes based on patent applications filed by a specified enterprise within a second specified period from a database;

25 number-of-inventions acquisition means for acquiring the

number of patents subjected to, before a predetermined time,  
registration or number of claims of the patents as the number  
of inventions from said acquired registration gazettes;

number-of-extinguished-inventions acquisition means for  
5 acquiring the number of extinguished inventions of patents  
extinguished before the predetermined time among said acquired  
number of inventions;

total number-of-effective-patents calculation means for  
calculating the total number of effective patents by  
10 subtracting the number of extinguished inventions from said  
acquired number of inventions;

patent profitability calculation means for calculating  
patent profitability through dividing the sum of said acquired  
excess gross operating profit and patent royalty income by  
15 said total number of effective patents;

display data generation means for generating display data  
for associating and displaying said calculated patent  
profitability and said acquired market value added; and

output means for outputting said display data to display  
20 means, printing means, recording medium, or another  
telecommunications device via a communication line.

16. An enterprise evaluation device, comprising:

management-finance information acquisition means for  
25 acquiring excess earnings on intellectual asset and market  
value added, in a first specified period, of a specified

enterprise from a management-finance database containing management-finance information of enterprises;

gazette acquisition means for acquiring registration gazettes based on patent applications filed by a specified  
5 enterprise within a second specified period from a database;

number-of-inventions acquisition means for acquiring the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

10 number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

total number-of-effective-patents calculation means for  
15 calculating the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

patent profitability calculation means for calculating patent profitability through dividing said acquired excess  
20 earnings on intellectual asset by said total number of effective patents;

display data generation means for generating display data for associating and displaying said calculated patent profitability and said acquired market value added; and

25 output means for outputting said display data to display means, printing means, recording medium, or another

telecommunications device via a communication line.

17. An enterprise evaluation device, comprising:

management-finance information acquisition means for  
5 acquiring R&D cost in a first specified period and gross  
operating profit, patent royalty income and total assets in a  
second specified period of a specified enterprise from a  
management-finance database containing management-finance  
information of enterprises;

10 gazette acquisition means for acquiring registration  
gazettes based on patent applications filed by a specified  
enterprise within a third specified period from a database;

number-of-inventions acquisition means for acquiring the  
number of patents subjected to, before a predetermined time,  
15 registration or number of claims of the patents as the number  
of inventions from said acquired registration gazettes;

number-of-extinguished-inventions acquisition means for  
acquiring the number of extinguished inventions of patents  
extinguished before the predetermined time among said acquired  
20 number of inventions;

total number-of-effective-patents calculation means for  
calculating the total number of effective patents by  
subtracting the number of extinguished inventions from said  
acquired number of inventions;

25 patent profitability calculation means for calculating  
patent profitability through dividing the sum of said acquired

gross operating profit and patent royalty income by said total number of effective patents;

R&D cost ratio calculation means for calculating R&D cost ratio through dividing said acquired R&D cost by the total

5 assets;

display data generation means for generating display data for associating and displaying said calculated patent profitability and said calculated R&D cost ratio; and

output means for outputting said display data to display  
10 means, printing means, recording medium, or another telecommunications device via a communication line.

18. An enterprise evaluation device, comprising:

management-finance information acquisition means for  
15 acquiring R&D cost in a first specified period and excess value added amount, patent royalty income and total assets in a second specified period of a specified enterprise from a management-finance database containing management-finance information of enterprises;

20 gazette acquisition means for acquiring registration gazettes based on patent applications filed by a specified enterprise within a third specified period from a database;

number-of-inventions acquisition means for acquiring the number of patents subjected to, before a predetermined time,  
25 registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

5       total number-of-effective-patents calculation means for calculating the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

10       patent profitability calculation means for calculating patent profitability through dividing the sum of said acquired excess value added amount and patent royalty income by said total number of effective patents;

15       R&D cost ratio calculation means for calculating R&D cost ratio through dividing said acquired R&D cost by the total assets;

display data generation means for generating display data for associating and displaying said calculated patent profitability and said calculated R&D cost ratio; and

20       output means for outputting said display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

19.   An enterprise evaluation device, comprising:

25       management-finance information acquisition means for acquiring R&D cost in a first specified period and excess gross operating profit, patent royalty income and total assets



in a second specified period of a specified enterprise from a management-finance database containing management-finance information of enterprises;

gazette acquisition means for acquiring registration  
5 gazettes based on patent applications filed by a specified enterprise within a third specified period from a database;

number-of-inventions acquisition means for acquiring the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number  
10 of inventions from said acquired registration gazettes;

number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

15 total number-of-effective-patents calculation means for calculating the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

patent profitability calculation means for calculating  
20 patent profitability through dividing the sum of said acquired excess gross operating profit and patent royalty income by said total number of effective patents;

R&D cost ratio calculation means for calculating R&D cost ratio through dividing said acquired R&D cost by the total  
25 assets;

display data generation means for generating display data

for associating and displaying said calculated patent  
profitability and said calculated R&D cost ratio; and

output means for outputting said display data to display  
means, printing means, recording medium, or another

5 telecommunications device via a communication line.

20. An enterprise evaluation device, comprising:

management-finance information acquisition means for  
acquiring R&D cost in a first specified period and excess  
10 earnings on intellectual asset and total assets in a second  
specified period of a specified enterprise from a management-  
finance database containing management-finance information of  
enterprises;

gazette acquisition means for acquiring registration  
15 gazettes based on patent applications filed by a specified  
enterprise within a third specified period from a database;

number-of-inventions acquisition means for acquiring the  
number of patents subjected to, before a predetermined time,  
registration or number of claims of the patents as the number  
20 of inventions from said acquired registration gazettes;

number-of-extinguished-inventions acquisition means for  
acquiring the number of extinguished inventions of patents  
extinguished before the predetermined time among said acquired  
number of inventions;

25 total number-of-effective-patents calculation means for  
calculating the total number of effective patents by

subtracting the number of extinguished inventions from said  
acquired number of inventions;

patent profitability calculation means for calculating  
patent profitability through dividing said acquired excess  
5 earnings on intellectual asset by said total number of  
effective patents;

R&D cost ratio calculation means for calculating R&D cost  
ratio through dividing said acquired R&D cost by the total  
assets;

10 display data generation means for generating display data  
for associating and displaying said calculated patent  
profitability and said calculated R&D cost ratio; and

output means for outputting said display data to display  
means, printing means, recording medium, or another  
15 telecommunications device via a communication line.

21. The enterprise evaluation device according to any one of  
claims 1 to 20,

wherein said registration gazettes include patent  
20 registration gazettes, publications of examined patent  
applications, publications of examined utility model  
applications or utility model registration gazettes; and

wherein, when the registered gazettes are utility model  
gazettes, said patent application refers to a utility model  
25 application, and said patent subjected to registration refers  
to a utility model subjected to registration.

22. An enterprise evaluation program to be executed by  
information processing means of an enterprise evaluation  
device comprising management-finance information acquisition  
5 means for acquiring management-finance information of  
enterprises from a management-finance database, gazette  
acquisition means for acquiring registration gazettes based on  
patent applications from a database, number-of-inventions  
acquisition means for acquiring the number of inventions from  
10 the registration gazettes, number-of-extinguished-inventions  
acquisition means for acquiring the number of extinguished  
inventions among the number of inventions, total number-of-  
effective-patents calculation means for calculating the total  
number of effective patents, patent profitability calculation  
15 means for calculating patent profitability, output means for  
outputting the patent profitability to display means or the  
like, and information processing means capable of controlling  
said management-finance information acquisition means, gazette  
acquisition means, number-of-inventions acquisition means,  
20 number-of-extinguished-inventions acquisition means, total  
number-of-effective-patents calculation means, patent  
profitability calculation means and output means,

wherein said information processing means realizes:

a function for causing said management-finance  
25 information acquisition means to acquire gross operating  
profit and patent royalty income, in a first specified period,

of a specified enterprise from the management-finance database containing the management-finance information of enterprises;

5 a function for causing said gazette acquisition means to acquire the registration gazettes based on patent applications filed by a specified enterprise within a second specified period from the database;

10 a function for causing said number-of-inventions acquisition means to acquire the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

15 a function for causing said number-of-extinguished-inventions acquisition means to acquire the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

a function for causing said total number-of-effective-patents calculation means to calculate the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

20 a function for causing said patent profitability calculation means to calculate the patent profitability through dividing the sum of said acquired gross operating profit and patent royalty income by said total number of effective patents; and

25 a function for causing said output means to output said calculated patent profitability to display means, printing

means, recording medium, or another telecommunications device via a communication line.

23. An enterprise evaluation program to be executed by  
5 information processing means of an enterprise evaluation device comprising management-finance information acquisition means for acquiring management-finance information of enterprises from a management-finance database, gazette acquisition means for acquiring registration gazettes based on  
10 patent applications from a database, number-of-inventions acquisition means for acquiring the number of inventions from the registration gazettes, number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions among the number of inventions, total number-of-  
15 effective-patents calculation means for calculating the total number of effective patents, patent profitability calculation means for calculating patent profitability, output means for outputting the patent profitability to display means or the like, and information processing means capable of controlling  
20 said management-finance information acquisition means, gazette acquisition means, number-of-inventions acquisition means, number-of-extinguished-inventions acquisition means, total number-of-effective-patents calculation means, patent profitability calculation means and output means,  
25 wherein said information processing means realizes:  
a function for causing said management-finance

information acquisition means to acquire operating profit and R&D cost, in a first specified period, of a specified enterprise from the management-finance database containing the management-finance information of enterprises;

5           a function for causing said gazette acquisition means to acquire the registration gazettes based on patent applications filed by a specified enterprise within a second specified period from the database;

          a function for causing said number-of-inventions  
10 acquisition means to acquire the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

          a function for causing said number-of-extinguished-  
15 inventions acquisition means to acquire the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

          a function for causing said total number-of-effective-  
patents calculation means to calculate the total number of  
20 effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

          a function for causing said patent profitability  
calculation means to calculate gross operating profit by  
adding the acquired operating profit and R&D cost in said  
25 first specified period, and calculate the patent profitability through dividing the sum of said calculated gross operating

profit and patent royalty income by said total number of effective patents; and

a function for causing said output means to output said calculated patent profitability to display means, printing  
5 means, recording medium, or another telecommunications device via a communication line.

24. An enterprise evaluation program to be executed by information processing means of an enterprise evaluation  
10 device comprising management-finance information acquisition means for acquiring management-finance information of enterprises from a management-finance database, gazette acquisition means for acquiring registration gazettes based on patent applications from a database, number-of-inventions  
15 acquisition means for acquiring the number of inventions from the registration gazettes, number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions among the number of inventions, total number-of-effective-patents calculation means for calculating the total  
20 number of effective patents, patent profitability calculation means for calculating patent profitability, output means for outputting the patent profitability to display means or the like, and information processing means capable of controlling said management-finance information acquisition means, gazette  
25 acquisition means, number-of-inventions acquisition means, number-of-extinguished-inventions acquisition means, total



number-of-effective-patents calculation means, patent  
profitability calculation means and output means,

wherein said information processing means realizes:

a function for causing said management-finance

5 information acquisition means to acquire sales profit, R&D  
cost included in manufacturing costs, administrative expenses,  
and R&D cost included in the administrative expenses in a  
first specified period of a specified enterprise from the  
management-finance database containing the management-finance  
10 information of enterprises;

a function for causing said gazette acquisition means to  
acquire the registration gazettes based on patent applications  
filed by a specified enterprise within a second specified  
period from the database;

15 a function for causing said number-of-inventions  
acquisition means to acquire the number of patents subjected  
to, before a predetermined time, registration or number of  
claims of the patents as the number of inventions from said  
acquired registration gazettes;

20 a function for causing said number-of-extinguished-  
inventions acquisition means to acquire the number of  
extinguished inventions of patents extinguished before the  
predetermined time among said acquired number of inventions;

a function for causing said total number-of-effective-  
25 patents calculation means to calculate the total number of  
effective patents by subtracting the number of extinguished

inventions from said acquired number of inventions;

a function for causing said patent profitability calculation means to calculate gross operating profit by subtracting the administrative expenses from the sum of  
5 acquired sales profit, R&D cost included in manufacturing costs, and R&D cost included in administrative expenses in said first specified period, and calculate the patent profitability through dividing the sum of said calculated gross operating profit and patent royalty income by said total  
10 number of effective patents; and

a function for causing said output means to output said calculated patent profitability to display means, printing means, recording medium, or another telecommunications device via a communication line.

15

25. An enterprise evaluation program to be executed by information processing means of an enterprise evaluation device comprising management-finance information acquisition means for acquiring management-finance information of  
20 enterprises from a management-finance database, gazette acquisition means for acquiring registration gazettes based on patent applications from a database, number-of-inventions acquisition means for acquiring the number of inventions from the registration gazettes, number-of-extinguished-inventions  
25 acquisition means for acquiring the number of extinguished inventions among the number of inventions, total number-of-

effective-patents calculation means for calculating the total  
number of effective patents, patent profitability calculation  
means for calculating patent profitability, output means for  
outputting the patent profitability to display means or the  
5 like, and information processing means capable of controlling  
said management-finance information acquisition means, gazette  
acquisition means, number-of-inventions acquisition means,  
number-of-extinguished-inventions acquisition means, total  
number-of-effective-patents calculation means, patent  
10 profitability calculation means and output means,

wherein said information processing means realizes:

a function for causing said management-finance  
information acquisition means to acquire excess value added  
amount and patent royalty income in a first specified period  
15 of a specified enterprise from the management-finance database  
containing the management-finance information of enterprises;

a function for causing said gazette acquisition means to  
acquire the registration gazettes based on patent applications  
filed by a specified enterprise within a second specified  
20 period from the database;

a function for causing said number-of-inventions  
acquisition means to acquire the number of patents subjected  
to, before a predetermined time, registration or number of  
claims of the patents as the number of inventions from said  
25 acquired registration gazettes;

a function for causing said number-of-extinguished-

inventions acquisition means to acquire the number of  
extinguished inventions of patents extinguished before the  
predetermined time among said acquired number of inventions;

a function for causing said total number-of-effective-  
5 patents calculation means to calculate the total number of  
effective patents by subtracting the number of extinguished  
inventions from said acquired number of inventions;

a function for causing said patent profitability  
calculation means to calculate the patent profitability  
10 through dividing the sum of said acquired excess value added  
amount and patent royalty income by said total number of  
effective patents; and

a function for causing said output means to output said  
calculated patent profitability to display means, printing  
15 means, recording medium, or another telecommunications device  
via a communication line.

26. An enterprise evaluation program to be executed by  
information processing means of an enterprise evaluation  
20 device comprising management-finance information acquisition  
means for acquiring management-finance information of  
enterprises from a management-finance database, gazette  
acquisition means for acquiring registration gazettes based on  
patent applications from a database, number-of-inventions  
25 acquisition means for acquiring the number of inventions from  
the registration gazettes, number-of-extinguished-inventions

acquisition means for acquiring the number of extinguished inventions among the number of inventions, total number-of-effective-patents calculation means for calculating the total number of effective patents, patent profitability calculation means for calculating patent profitability, output means for outputting the patent profitability to display means or the like, and information processing means capable of controlling said management-finance information acquisition means, gazette acquisition means, number-of-inventions acquisition means, number-of-extinguished-inventions acquisition means, total number-of-effective-patents calculation means, patent profitability calculation means and output means,

wherein said information processing means realizes:

a function for causing said management-finance information acquisition means to acquire sales volume and ratio of value added amount to sales volume, in a first specified period, of a specified enterprise, average ratio of value added amount to sales volume and patent royalty income from the management-finance database containing the management-finance information of enterprises;

a function for causing said gazette acquisition means to acquire the registration gazettes based on patent applications filed by a specified enterprise within a second specified period from the database;

a function for causing said number-of-inventions acquisition means to acquire the number of patents subjected

to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

a function for causing said number-of-extinguished-  
5 inventions acquisition means to acquire the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

a function for causing said total number-of-effective-  
patents calculation means to calculate the total number of  
10 effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

a function for causing said patent profitability  
calculation means to calculate excess value added amount by  
multiplying the sales volume to a value obtained by  
15 subtracting the average ratio of value added amount to sales volume from said acquired ratio of value added amount to sales volume, and calculate the patent profitability through  
dividing the sum of said calculated excess value added amount  
and patent royalty income by said total number of effective  
20 patents; and

a function for causing said output means to output said  
calculated patent profitability to display means, printing  
means, recording medium, or another telecommunications device  
via a communication line.

25

27. An enterprise evaluation program to be executed by

information processing means of an enterprise evaluation  
device comprising management-finance information acquisition  
means for acquiring management-finance information of  
enterprises from a management-finance database, gazette  
5 acquisition means for acquiring registration gazettes based on  
patent applications from a database, number-of-inventions  
acquisition means for acquiring the number of inventions from  
the registration gazettes, number-of-extinguished-inventions  
acquisition means for acquiring the number of extinguished  
10 inventions among the number of inventions, total number-of-  
effective-patents calculation means for calculating the total  
number of effective patents, ratio of value added amount to  
sales volume calculation means for calculating ratio of value  
added amount to sales volume, patent profitability calculation  
15 means for calculating patent profitability, output means for  
outputting the patent profitability to display means or the  
like, and information processing means capable of controlling  
said management-finance information acquisition means, gazette  
acquisition means, number-of-inventions acquisition means,  
20 number-of-extinguished-inventions acquisition means, total  
number-of-effective-patents calculation means, ratio of value  
added amount to sales volume calculation means, patent  
profitability calculation means and output means,  
wherein said information processing means realizes:  
25 a function for causing said management-finance  
information acquisition means to acquire sales volume and

value added amount, in a first specified period, of a plurality of enterprises, and patent royalty income from the management-finance database containing the management-finance information of enterprises;

5           a function for causing said gazette acquisition means to acquire the registration gazettes based on patent applications filed by a specified enterprise within a second specified period from the database;

          a function for causing said number-of-inventions  
10 acquisition means to acquire the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

          a function for causing said number-of-extinguished-  
15 inventions acquisition means to acquire the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

          a function for causing said total number-of-effective-  
patents calculation means to calculate the total number of  
20 effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

          a function for causing said ratio of value added amount  
to sales volume calculation means to calculate the ratio of  
value added amount to sales volume of the specified enterprise  
25 through dividing said acquired value added amount of the specified enterprise by the sales volume of the specified



enterprise, and calculate average ratio of value added amount to sales volume for a plurality of enterprises;

a function for causing said patent profitability calculation means to calculate excess value added amount by multiplying the sales volume to a value obtained by subtracting the average ratio of value added amount to sales volume from said ratio of value added amount to sales volume of the specified enterprise, and calculate the patent profitability through dividing the sum of said calculated excess value added amount and patent royalty income by said total number of effective patents; and

a function for causing said output means to output said calculated patent profitability to display means, printing means, recording medium, or another telecommunications device via a communication line.

28. An enterprise evaluation program which realizes:

a function for causing said management-finance information acquisition means to acquire excess gross operating profit and patent royalty income, in a first specified period, of a specified enterprise from the management-finance database containing the management-finance information of enterprises;

a function for causing said gazette acquisition means to acquire the registration gazettes based on patent applications filed by a specified enterprise within a second specified

period from the database;

a function for causing said number-of-inventions acquisition means to acquire the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

a function for causing said number-of-extinguished-inventions acquisition means to acquire the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

a function for causing said total number-of-effective-patents calculation means to calculate the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

a function for causing said patent profitability calculation means to calculate the patent profitability through dividing the sum of said acquired excess gross operating profit and patent royalty income by said total number of effective patents; and

a function for causing said output means to output said calculated patent profitability to display means, printing means, recording medium, or another telecommunications device via a communication line.

29. An enterprise evaluation program to be executed by information processing means of an enterprise evaluation

device comprising management-finance information acquisition means for acquiring management-finance information of enterprises from a management-finance database, gazette acquisition means for acquiring registration gazettes based on patent applications from a database, number-of-inventions acquisition means for acquiring the number of inventions from the registration gazettes, number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions among the number of inventions, total number-of-effective-patents calculation means for calculating the total number of effective patents, patent profitability calculation means for calculating patent profitability, output means for outputting the patent profitability to display means or the like, and information processing means capable of controlling said management-finance information acquisition means, gazette acquisition means, number-of-inventions acquisition means, number-of-extinguished-inventions acquisition means, total number-of-effective-patents calculation means, patent profitability calculation means and output means,

wherein said information processing means realizes:  
a function for causing said management-finance information acquisition means to acquire sales volume and ratio of gross operating profit, in a first specified period, of a specified enterprise, average ratio of gross operating profit and patent royalty income from the management-finance database containing the management-finance information of

enterprises;

a function for causing said gazette acquisition means to acquire the registration gazettes based on patent applications filed by a specified enterprise within a second specified

5 period from the database;

a function for causing said number-of-inventions acquisition means to acquire the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said

10 acquired registration gazettes;

a function for causing said number-of-extinguished-inventions acquisition means to acquire the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

15 a function for causing said total number-of-effective-patents calculation means to calculate the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

a function for causing said patent profitability  
20 calculation means to calculate excess gross operating profit by multiplying the sales volume to a value obtained by subtracting the average ratio of gross operating profit from said acquired ratio of gross operating profit, and calculate the patent profitability through dividing the sum of said  
25 calculated excess gross operating profit and the patent royalty income by said total number of effective patents; and

a function for causing said output means to output said calculated patent profitability to display means, printing means, recording medium, or another telecommunications device via a communication line.

5

30. An enterprise evaluation program to be executed by information processing means of an enterprise evaluation device comprising management-finance information acquisition means for acquiring management-finance information of  
10 enterprises from a management-finance database, gazette acquisition means for acquiring registration gazettes based on patent applications from a database, number-of-inventions acquisition means for acquiring the number of inventions from the registration gazettes, number-of-extinguished-inventions  
15 acquisition means for acquiring the number of extinguished inventions among the number of inventions, total number-of-effective-patents calculation means for calculating the total number of effective patents, ratio of gross operating profit to sales volume calculation means for calculating ratio of  
20 gross operating profit to sales volume, patent profitability calculation means for calculating patent profitability, output means for outputting the patent profitability to display means or the like, and information processing means capable of controlling said management-finance information acquisition  
25 means, gazette acquisition means, number-of-inventions acquisition means, number-of-extinguished-inventions

acquisition means, total number-of-effective-patents  
calculation means, ratio of gross operating profit to sales  
volume calculation means, patent profitability calculation  
means and output means,

5            wherein said information processing means realizes:

          a function for causing said management-finance  
information acquisition means to acquire sales volume and  
gross operating profit, in a first specified period, of a  
plurality of enterprises, and patent royalty income from the  
10 management-finance database containing the management-finance  
information of enterprises;

          a function for causing said gazette acquisition means to  
acquire the registration gazettes based on patent applications  
filed by a specified enterprise within a second specified  
15 period from the database;

          a function for causing said number-of-inventions  
acquisition means to acquire the number of patents subjected  
to, before a predetermined time, registration or number of  
claims of the patents as the number of inventions from said  
20 acquired registration gazettes;

          a function for causing said number-of-extinguished-  
inventions acquisition means to acquire the number of  
extinguished inventions of patents extinguished before the  
predetermined time among said acquired number of inventions;

25            a function for causing said total number-of-effective-  
patents calculation means to calculate the total number of

effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

5 a function for causing said ratio of gross operating profit to sales volume calculation means to calculate the ratio of gross operating profit to sales volume of the specified enterprise through dividing said acquired gross operating profit of the specified enterprise by the sales volume of the specified enterprise, and calculate average ratio of gross operating profit to sales volume for the  
10 plurality of enterprises;

a function for causing said patent profitability calculation means to calculate excess gross operating profit by multiplying the sales volume to a value obtained by subtracting average ratio of gross operating profit to sales  
15 volume from said ratio of gross operating profit to sales volume of the specified enterprise, and calculate the patent profitability through dividing the sum of said calculated excess gross operating profit and patent royalty income by said total number of effective patents; and .

20 a function for causing said output means to output said calculated patent profitability to display means, printing means, recording medium, or another telecommunications device via a communication line.

25 31. An enterprise evaluation program to be executed by information processing means of an enterprise evaluation

device comprising management-finance information acquisition means for acquiring management-finance information of enterprises from a management-finance database, gazette acquisition means for acquiring registration gazettes based on patent applications from a database, number-of-inventions acquisition means for acquiring the number of inventions from the registration gazettes, number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions among the number of inventions, total number-of-effective-patents calculation means for calculating the total number of effective patents, patent profitability calculation means for calculating patent profitability, output means for outputting the patent profitability to display means or the like, and information processing means capable of controlling said management-finance information acquisition means, gazette acquisition means, number-of-inventions acquisition means, number-of-extinguished-inventions acquisition means, total number-of-effective-patents calculation means, patent profitability calculation means and output means,

wherein said information processing means realizes:

a function for causing said management-finance information acquisition means to acquire excess earnings on intellectual asset, in a first specified period, of a specified enterprise from the management-finance database containing the management-finance information of enterprises;

a function for causing said gazette acquisition means to



acquire the registration gazettes based on patent applications filed by a specified enterprise within a second specified period from the database;

a function for causing said number-of-inventions

5 acquisition means to acquire the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

a function for causing said number-of-extinguished-

10 inventions acquisition means to acquire the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

a function for causing said total number-of-effective-patents calculation means to calculate the total number of  
15 effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

a function for causing said patent profitability calculation means to calculate the patent profitability through dividing said acquired excess earnings on intellectual  
20 asset by said total number of effective patents; and

a function for causing said output means to output said calculated patent profitability to display means, printing means, recording medium, or another telecommunications device via a communication line.

25

32. An enterprise evaluation program to be executed by

information processing means of an enterprise evaluation  
device comprising management-finance information acquisition  
means for acquiring management-finance information of  
enterprises from a management-finance database, gazette  
5 acquisition means for acquiring registration gazettes based on  
patent applications from a database, number-of-inventions  
acquisition means for acquiring the number of inventions from  
the registration gazettes, number-of-extinguished-inventions  
acquisition means for acquiring the number of extinguished  
10 inventions among the number of inventions, total number-of-  
effective-patents calculation means for calculating the total  
number of effective patents, patent profitability calculation  
means for calculating patent profitability, output means for  
outputting the patent profitability to display means or the  
15 like, and information processing means capable of controlling  
said management-finance information acquisition means, gazette  
acquisition means, number-of-inventions acquisition means,  
number-of-extinguished-inventions acquisition means, total  
number-of-effective-patents calculation means, patent  
20 profitability calculation means and output means,

wherein said information processing means realizes:

a function for causing said management-finance  
information acquisition means to acquire total assets and  
return on intellectual asset, in a first specified period, of  
25 a specified enterprise, and average return on intellectual  
asset from the management-finance database containing the

management-finance information of enterprises;

a function for causing said gazette acquisition means to acquire the registration gazettes based on patent applications filed by a specified enterprise within a second specified  
5 period from the database;

a function for causing said number-of-inventions acquisition means to acquire the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said  
10 acquired registration gazettes;

a function for causing said number-of-extinguished-inventions acquisition means to acquire the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

15 a function for causing said total number-of-effective-patents calculation means to calculate the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

a function for causing said patent profitability  
20 calculation means to calculate excess earnings on intellectual asset by multiplying the total assets to a value obtained by subtracting the average return on intellectual asset from said acquired return on intellectual asset, and calculate the patent profitability through dividing said calculated excess  
25 earnings on intellectual asset by said total number of effective patents; and

a function for causing said output means to output said calculated patent profitability to display means, printing means, recording medium, or another telecommunications device via a communication line.

5

33. An enterprise evaluation program to be executed by information processing means of an enterprise evaluation device comprising management-finance information acquisition means for acquiring management-finance information of  
10 enterprises from a management-finance database, gazette acquisition means for acquiring registration gazettes based on patent applications from a database, number-of-inventions acquisition means for acquiring the number of inventions from the registration gazettes, number-of-extinguished-inventions  
15 acquisition means for acquiring the number of extinguished inventions among the number of inventions, total number-of-effective-patents calculation means for calculating the total number of effective patents, patent profitability calculation means for calculating patent profitability, display data  
20 generation means for generating display data, output means for outputting said display data to display means or the like, and information processing means capable of controlling said management-finance information acquisition means, gazette acquisition means, number-of-inventions acquisition means,  
25 number-of-extinguished-inventions acquisition means, total number-of-effective-patents calculation means, patent

profitability calculation means, display data generation means  
and output means,

wherein said information processing means realizes:

a function for causing said management-finance

5 information acquisition means to acquire gross operating  
profit, excess value added amount, excess gross operating  
profit, excess earnings on intellectual asset or patent  
royalty income, in a first specified period, of a specified  
enterprise from the management-finance database containing the  
10 management-finance information of enterprises;

a function for causing said gazette acquisition means to  
acquire the registration gazettes based on patent applications  
filed by a specified enterprise within a second specified  
period from the database;

15 a function for causing said number-of-inventions  
acquisition means to acquire the number of patents subjected  
to, before a predetermined time, registration or number of  
claims of the patents as the number of inventions from said  
acquired registration gazettes;

20 a function for causing said number-of-extinguished-  
inventions acquisition means to acquire the number of  
extinguished inventions of patents extinguished before the  
predetermined time among said acquired number of inventions;

a function for causing said total number-of-effective-  
25 patents calculation means to calculate the total number of  
effective patents by subtracting the number of extinguished

inventions from said acquired number of inventions;

a function for causing said patent profitability calculation means to calculate index of patent profitability  $\alpha$  obtained through dividing the sum of said acquired gross operating profit and patent royalty income by said total number of effective patents, index of patent profitability  $\beta$  obtained through dividing the sum of said acquired excess value added amount and patent royalty income by said total number of effective patents, index of patent profitability  $\gamma$  obtained through dividing the sum of said acquired excess gross operating profit and patent royalty income by said total number of effective patents, or index of patent profitability  $\delta$  obtained through dividing said acquired excess earnings on intellectual asset by said total number of effective patents for a plurality of enterprises;

a function for causing said display data generation means to generate the display data for displaying, index by index and enterprise by enterprise, the calculated patent profitability index of said plurality of enterprises; and

a function for causing said output means to output said display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

34. An enterprise evaluation program to be executed by information processing means of an enterprise evaluation

device comprising management-finance information acquisition means for acquiring management-finance information of enterprises from a management-finance database, gazette acquisition means for acquiring registration gazettes based on patent applications from a database, number-of-inventions acquisition means for acquiring the number of inventions from the registration gazettes, number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions among the number of inventions, total number-of-effective-patents calculation means for calculating the total number of effective patents, patent profitability calculation means for calculating patent profitability, display data generation means for generating display data, output means for outputting said display data to display means or the like, and information processing means capable of controlling said management-finance information acquisition means, gazette acquisition means, number-of-inventions acquisition means, number-of-extinguished-inventions acquisition means, total number-of-effective-patents calculation means, patent profitability calculation means, display data generation means and output means,

wherein said information processing means realizes:

a function for causing said management-finance information acquisition means to acquire gross operating profit, patent royalty income and market value added, in a first specified period, of a specified enterprise from the

management-finance database containing the management-finance information of enterprises;

5 a function for causing said gazette acquisition means to acquire the registration gazettes based on patent applications filed by a specified enterprise within a second specified period from the database;

10 a function for causing said number-of-inventions acquisition means to acquire the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

15 a function for causing said number-of-extinguished-inventions acquisition means to acquire the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

a function for causing said total number-of-effective-patents calculation means to calculate the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

20 a function for causing said patent profitability calculation means to calculate the patent profitability through dividing the sum of said acquired gross operating profit and patent royalty income by said total number of effective patents;

25 a function for causing said display data generation means to generate the display data for associating and displaying



said calculated patent profitability and said acquired market value added; and

a function for causing said output means to output said display data to display means, printing means, recording  
5 medium, or another telecommunications device via a communication line.

35. An enterprise evaluation program to be executed by information processing means of an enterprise evaluation  
10 device comprising management-finance information acquisition means for acquiring management-finance information of enterprises from a management-finance database, gazette acquisition means for acquiring registration gazettes based on patent applications from a database, number-of-inventions  
15 acquisition means for acquiring the number of inventions from the registration gazettes, number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions among the number of inventions, total number-of-effective-patents calculation means for calculating the total  
20 number of effective patents, patent profitability calculation means for calculating patent profitability, display data generation means for generating display data, output means for outputting said display data to display means or the like, and information processing means capable of controlling said  
25 management-finance information acquisition means, gazette acquisition means, number-of-inventions acquisition means,

number-of-extinguished-inventions acquisition means, total  
number-of-effective-patents calculation means, patent  
profitability calculation means, display data generation means  
and output means,

5            wherein said information processing means realizes:

          a function for causing said management-finance  
information acquisition means to acquire excess value added  
amount, patent royalty income and market value added, in a  
first specified period, of a specified enterprise from the  
10 management-finance database containing the management-finance  
information of enterprises;

          a function for causing said gazette acquisition means to  
acquire the registration gazettes based on patent applications  
filed by a specified enterprise within a second specified  
15 period from the database;

          a function for causing said number-of-inventions  
acquisition means to acquire the number of patents subjected  
to, before a predetermined time, registration or number of  
claims of the patents as the number of inventions from said  
20 acquired registration gazettes;

          a function for causing said number-of-extinguished-  
inventions acquisition means to acquire the number of  
extinguished inventions of patents extinguished before the  
predetermined time among said acquired number of inventions;

25            a function for causing said total number-of-effective-  
patents calculation means to calculate the total number of

effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

a function for causing said patent profitability calculation means to calculate the patent profitability

5 through dividing the sum of said acquired excess value added amount and patent royalty income by said total number of effective patents;

a function for causing said display data generation means to generate the display data for associating and displaying  
10 said calculated patent profitability and said acquired market value added; and

a function for causing said output means to output said display data to display means, printing means, recording medium, or another telecommunications device via a  
15 communication line.

36. An enterprise evaluation program to be executed by information processing means of an enterprise evaluation device comprising management-finance information acquisition  
20 means for acquiring management-finance information of enterprises from a management-finance database, gazette acquisition means for acquiring registration gazettes based on patent applications from a database, number-of-inventions acquisition means for acquiring the number of inventions from  
25 the registration gazettes, number-of-extinguished-inventions acquisition means for acquiring the number of extinguished

inventions among the number of inventions, total number-of-effective-patents calculation means for calculating the total number of effective patents, patent profitability calculation means for calculating patent profitability, display data

5 generation means for generating display data, output means for outputting said display data to display means or the like, and information processing means capable of controlling said management-finance information acquisition means, gazette acquisition means, number-of-inventions acquisition means, 10 number-of-extinguished-inventions acquisition means, total number-of-effective-patents calculation means, patent profitability calculation means, display data generation means and output means,

wherein said information processing means realizes:

15 a function for causing said management-finance information acquisition means to acquire excess gross operating profit, patent royalty income and market value added, in a first specified period, of a specified enterprise from the management-finance database containing the management- 20 finance information of enterprises;

a function for causing said gazette acquisition means to acquire the registration gazettes based on patent applications filed by a specified enterprise within a second specified period from the database;

25 a function for causing said number-of-inventions acquisition means to acquire the number of patents subjected

to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

a function for causing said number-of-extinguished-  
5 inventions acquisition means to acquire the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

a function for causing said total number-of-effective-  
patents calculation means to calculate the total number of  
10 effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

a function for causing said patent profitability  
calculation means to calculate the patent profitability  
through dividing the sum of said acquired excess gross  
15 operating profit and patent royalty income by said total number of effective patents;

a function for causing said display data generation means  
to generate the display data for associating and displaying  
said calculated patent profitability and said acquired market  
20 value added; and

a function for causing said output means to output said  
display data to display means, printing means, recording  
medium, or another telecommunications device via a  
communication line.

25

37. An enterprise evaluation program to be executed by

information processing means of an enterprise evaluation  
device comprising management-finance information acquisition  
means for acquiring management-finance information of  
enterprises from a management-finance database, gazette  
5 acquisition means for acquiring registration gazettes based on  
patent applications from a database, number-of-inventions  
acquisition means for acquiring the number of inventions from  
the registration gazettes, number-of-extinguished-inventions  
acquisition means for acquiring the number of extinguished  
10 inventions among the number of inventions, total number-of-  
effective-patents calculation means for calculating the total  
number of effective patents, patent profitability calculation  
means for calculating patent profitability, display data  
generation means for generating display data, output means for  
15 outputting said display data to display means or the like, and  
information processing means capable of controlling said  
management-finance information acquisition means, gazette  
acquisition means, number-of-inventions acquisition means,  
number-of-extinguished-inventions acquisition means, total  
20 number-of-effective-patents calculation means, patent  
profitability calculation means, display data generation means  
and output means,

wherein said information processing means realizes:

a function for causing said management-finance  
25 information acquisition means to acquire excess earnings on  
intellectual asset and market value added, in a first

specified period, of a specified enterprise from the management-finance database containing the management-finance information of enterprises;

5 a function for causing said gazette acquisition means to acquire the registration gazettes based on patent applications filed by a specified enterprise within a second specified period from the database;

10 a function for causing said number-of-inventions acquisition means to acquire the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

15 a function for causing said number-of-extinguished-inventions acquisition means to acquire the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

20 a function for causing said total number-of-effective-patents calculation means to calculate the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

a function for causing said patent profitability calculation means to calculate the patent profitability through dividing said acquired excess earnings on intellectual asset by said total number of effective patents;

25 a function for causing said display data generation means to generate the display data for associating and displaying

said calculated patent profitability and said acquired market value added; and

a function for causing said output means to output said display data to display means, printing means, recording  
5 medium, or another telecommunications device via a communication line.

38. An enterprise evaluation program to be executed by information processing means of an enterprise evaluation  
10 device comprising management-finance information acquisition means for acquiring management-finance information of enterprises from a management-finance database, gazette acquisition means for acquiring registration gazettes based on patent applications from a database, number-of-inventions  
15 acquisition means for acquiring the number of inventions from the registration gazettes, number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions among the number of inventions, total number-of-effective-patents calculation means for calculating the total  
20 number of effective patents, patent profitability calculation means for calculating patent profitability, R&D cost ratio calculation means for calculating R&D cost ratio, display data generation means for generating display data, output means for outputting said display data to display means or the like, and  
25 information processing means capable of controlling said management-finance information acquisition means, gazette



acquisition means, number-of-inventions acquisition means,  
number-of-extinguished-inventions acquisition means, total  
number-of-effective-patents calculation means, patent  
profitability calculation means, R&D cost ratio calculation  
5 means, display data generation means and output means,  
wherein said information processing means realizes:  
a function for causing said management-finance  
information acquisition means to acquire R&D cost in a first  
specified period and gross operating profit, patent royalty  
10 income and total assets in a second specified period of a  
specified enterprise from the management-finance database  
containing the management-finance information of enterprises;  
a function for causing said gazette acquisition means to  
acquire the registration gazettes based on patent applications  
15 filed by a specified enterprise within a third specified  
period from the database;  
a function for causing said number-of-inventions  
acquisition means to acquire the number of patents subjected  
to, before a predetermined time, registration or number of  
20 claims of the patents as the number of inventions from said  
acquired registration gazettes;  
a function for causing said number-of-extinguished-  
inventions acquisition means to acquire the number of  
extinguished inventions of patents extinguished before the  
25 predetermined time among said acquired number of inventions;  
a function for causing said total number-of-effective-

patents calculation means to calculate the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

a function for causing said patent profitability  
5 calculation means to calculate the patent profitability through dividing the sum of said acquired gross operating profit and patent royalty income by said total number of effective patents;

a function for causing said R&D cost ratio calculation  
10 means to calculate the R&D cost ratio through dividing said acquired R&D cost by the total assets;

a function for causing said display data generation means to generate the display data for associating and displaying said calculated patent profitability and said calculated R&D  
15 cost ratio; and

a function for causing said output means to output said display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

20

39. An enterprise evaluation program to be executed by information processing means of an enterprise evaluation device comprising management-finance information acquisition means for acquiring management-finance information of  
25 enterprises from a management-finance database, gazette acquisition means for acquiring registration gazettes based on

patent applications from a database, number-of-inventions  
acquisition means for acquiring the number of inventions from  
the registration gazettes, number-of-extinguished-inventions  
acquisition means for acquiring the number of extinguished  
5 inventions among the number of inventions, total number-of-  
effective-patents calculation means for calculating the total  
number of effective patents, patent profitability calculation  
means for calculating patent profitability, R&D cost ratio  
calculation means for calculating R&D cost ratio, display data  
10 generation means for generating display data, output means for  
outputting said display data to display means or the like, and  
information processing means capable of controlling said  
management-finance information acquisition means, gazette  
acquisition means, number-of-inventions acquisition means,  
15 number-of-extinguished-inventions acquisition means, total  
number-of-effective-patents calculation means, patent  
profitability calculation means, R&D cost ratio calculation  
means, display data generation means and output means,

wherein said information processing means realizes:

20 a function for causing said management-finance  
information acquisition means to acquire R&D cost in a first  
specified period and excess value added amount, patent royalty  
income and total assets in a second specified period of a  
specified enterprise from the management-finance database  
25 containing the management-finance information of enterprises;

a function for causing said gazette acquisition means to

acquire the registration gazettes based on patent applications filed by a specified enterprise within a third specified period from the database;

a function for causing said number-of-inventions

5 acquisition means to acquire the number of patents subjected to, before a predetermined time, registration or number of claims of the patents as the number of inventions from said acquired registration gazettes;

a function for causing said number-of-extinguished-

10 inventions acquisition means to acquire the number of extinguished inventions of patents extinguished before the predetermined time among said acquired number of inventions;

a function for causing said total number-of-effective-patents calculation means to calculate the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

15 a function for causing said patent profitability calculation means to calculate the patent profitability through dividing the sum of said acquired excess value added amount and patent royalty income by said total number of effective patents;

a function for causing said R&D cost ratio calculation means to calculate the R&D cost ratio through dividing said acquired R&D cost by the total assets;

25 a function for causing said display data generation means to generate the display data for associating and displaying

said calculated patent profitability and said calculated R&D cost ratio; and

a function for causing said output means to output said display data to display means, printing means, recording  
5 medium, or another telecommunications device via a communication line.

40. An enterprise evaluation program to be executed by information processing means of an enterprise evaluation  
10 device comprising management-finance information acquisition means for acquiring management-finance information of enterprises from a management-finance database, gazette acquisition means for acquiring registration gazettes based on patent applications from a database, number-of-inventions  
15 acquisition means for acquiring the number of inventions from the registration gazettes, number-of-extinguished-inventions acquisition means for acquiring the number of extinguished inventions among the number of inventions, total number-of-effective-patents calculation means for calculating the total  
20 number of effective patents, patent profitability calculation means for calculating patent profitability, R&D cost ratio calculation means for calculating R&D cost ratio, display data generation means for generating display data, output means for outputting said display data to display means or the like, and  
25 information processing means capable of controlling said management-finance information acquisition means, gazette

acquisition means, number-of-inventions acquisition means,  
number-of-extinguished-inventions acquisition means, total  
number-of-effective-patents calculation means, patent  
profitability calculation means, R&D cost ratio calculation  
5 means, display data generation means and output means,  
wherein said information processing means realizes:  
a function for causing said management-finance  
information acquisition means to acquire R&D cost in a first  
specified period and excess gross operating profit, patent  
10 royalty income and total assets in a second specified period  
of a specified enterprise from the management-finance database  
containing the management-finance information of enterprises;  
a function for causing said gazette acquisition means to  
acquire the registration gazettes based on patent applications  
15 filed by a specified enterprise within a third specified  
period from the database;  
a function for causing said number-of-inventions  
acquisition means to acquire the number of patents subjected  
to, before a predetermined time, registration or number of  
20 claims of the patents as the number of inventions from said  
acquired registration gazettes;  
a function for causing said number-of-extinguished-  
inventions acquisition means to acquire the number of  
extinguished inventions of patents extinguished before the  
25 predetermined time among said acquired number of inventions;  
a function for causing said total number-of-effective-

patents calculation means to calculate the total number of effective patents by subtracting the number of extinguished inventions from said acquired number of inventions;

a function for causing said patent profitability calculation means to calculate the patent profitability through dividing the sum of said acquired excess gross operating profit and patent royalty income by said total number of effective patents;

a function for causing said R&D cost ratio calculation means to calculate the R&D cost ratio through dividing said acquired R&D cost by the total assets;

a function for causing said display data generation means to generate the display data for associating and displaying said calculated patent profitability and said calculated R&D cost ratio; and

a function for causing said output means to output said display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

41. An enterprise evaluation program to be executed by information processing means of an enterprise evaluation device comprising management-finance information acquisition means for acquiring management-finance information of enterprises from a management-finance database, gazette acquisition means for acquiring registration gazettes based on

patent applications from a database, number-of-inventions  
acquisition means for acquiring the number of inventions from  
the registration gazettes, number-of-extinguished-inventions  
acquisition means for acquiring the number of extinguished  
5 inventions among the number of inventions, total number-of-  
effective-patents calculation means for calculating the total  
number of effective patents, patent profitability calculation  
means for calculating patent profitability, R&D cost ratio  
calculation means for calculating R&D cost ratio, display data  
10 generation means for generating display data, output means for  
outputting said display data to display means or the like, and  
information processing means capable of controlling said  
management-finance information acquisition means, gazette  
acquisition means, number-of-inventions acquisition means,  
15 number-of-extinguished-inventions acquisition means, total  
number-of-effective-patents calculation means, patent  
profitability calculation means, R&D cost ratio calculation  
means, display data generation means and output means,

wherein said information processing means realizes:

20 a function for causing said management-finance  
information acquisition means to acquire R&D cost in a first  
specified period and excess earnings on intellectual asset and  
total assets in a second specified period of a specified  
enterprise from the management-finance database containing the  
25 management-finance information of enterprises;

a function for causing said gazette acquisition means to



acquire the registration gazettes based on patent applications  
filed by a specified enterprise within a third specified  
period from the database;

a function for causing said number-of-inventions

5 acquisition means to acquire the number of patents subjected  
to, before a predetermined time, registration or number of  
claims of the patents as the number of inventions from said  
acquired registration gazettes;

a function for causing said number-of-extinguished-

10 inventions acquisition means to acquire the number of  
extinguished inventions of patents extinguished before the  
predetermined time among said acquired number of inventions;

a function for causing said total number-of-effective-  
patents calculation means to calculate the total number of

15 effective patents by subtracting the number of extinguished  
inventions from said acquired number of inventions;

a function for causing said patent profitability  
calculation means to calculate the patent profitability  
through dividing said acquired excess earnings on intellectual

20 asset by said total number of effective patents;

a function for causing said R&D cost ratio calculation  
means to calculate the R&D cost ratio through dividing said  
acquired R&D cost by the total assets;

a function for causing said display data generation means

25 to generate the display data for associating and displaying  
said calculated patent profitability and said calculated R&D

cost ratio; and

a function for causing said output means to output said display data to display means, printing means, recording medium, or another telecommunications device via a

5 communication line.

42. The enterprise evaluation program according to any one of claims 22 to 41,

wherein said registration gazettes include patent  
10 registration gazettes, publications of examined patent applications, publications of examined utility model applications or utility model registration gazettes; and

wherein, when the registered gazettes are utility model gazettes, said patent application refers to a utility model  
15 application, and said patent subjected to registration refers to a utility model subjected to registration.